

**LCD Backlights**  
**Abstract Doc**

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**Category:** Light Guide\Wedge, Light Guide\Structure on Top Surface, Enhance. Film\Prism Up, Enhance.  
Film\Prism Down, Advantage\Brightness, Advantage\Uniformity

**Category Definition:** 

[Link to Atlas Electronic Library Translation Services](#)

**Title:**

**Back-light for illuminating liquid crystal display element - controls reflection and refraction of light with light-guide plate and optical sheet with curved lens formed on one side of optical sheet surface**

**Patent Assignee:**

KONICA CORP

KONS

**Abstract:**

Abstract (Basic): JP 09080429A

The back-light consists of a light-guide plate (10), which has a projection (13) for radiation of light from a cold cathode tube (11) to the transparent surface (12). An optical sheet (14) is arranged on the transparent surface of the light-guide plate.

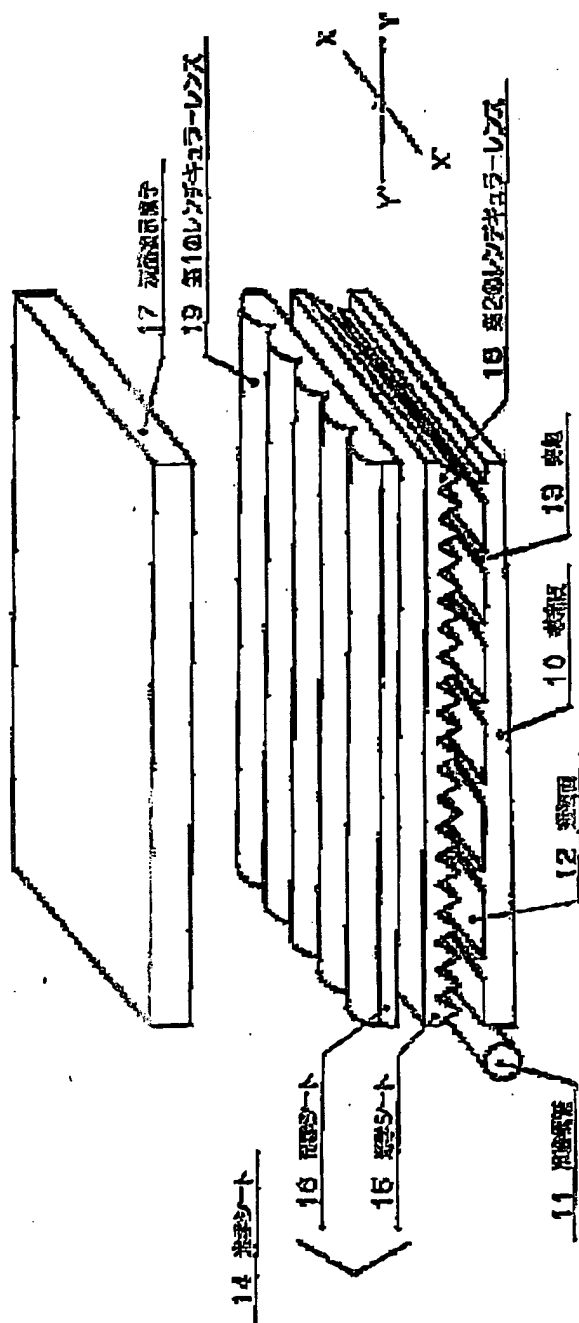
The light-guide plate and the optical sheet control the reflection and refraction of light. A first lens (19), which has a curved surface, is formed on one side of the surface of the optical sheet.

**ADVANTAGE** - Eliminates black line. Obtains high brightness. Enables miniaturisation.

Dwg.1/18

**Clipped Images:**

Engineering Drawing:



Patent Family: If available, click on [fulltext doclink](#) to view the associated fulltext/image doc.

Fulltext Doclink	Cntry	Serial	Kind	Date	Week	Pages	Lang.
	JP	09080429	A	19970328	199723	013	

**Priorities:**

Country	Serial	Date	Type
JP	0236684	19950914	A

Application, Citations, Coding Information, Index Terms:

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